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INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference P 03/005-DeNK		ation of Transmittal of International Search Report /ISA/220) as well as, where applicable, item 5 below.
International application No.	International filing date (day/month/yea	ar) (Earliest) Priority Date (day/month/year)
PCT/EP 03/14537	18/12/2003	24/01/2003
Applicant .		1
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MERCK PATENT GMBH	· · · · · · · · · · · · · · · · · · ·	
according to Article 18. A copy is being tr	ansmitted to the International Bureau.	ng Authority and is transmitted to the applicant
This International Search Report consists It is also accompanied by	s of a total of sheets. y a copy of each prior art document cited	
Basis of the report		
With regard to the language, the language in which it was filed, un	international search was carried out on t less otherwise indicated under this item.	he basis of the international application in the
Authority (Rule 23.1(b)).		on of the international application furnished to this
was carried out on the basis of the	nd/or amino acid sequence disclosed in e sequence listing: onal application in written form.	the international application, the international search
	ernational application in computer readab	ole form.
	o this Authority in written form.	
furnished subsequently to	this Authority in computer readble form.	
the statement that the su international application a	bsequently furnished written sequence lises filed has been furnished.	sting does not go beyond the disclosure in the
the statement that the inf furnished	ormation recorded in computer readable	form is identical to the written sequence listing has been
2. Certain claims were fou	ind unsearchable (See Box I).	
3. Unity of invention is lac	,	
	. ,	
4. With regard to the title ,		
X the text is approved as so	ubmitted by the applicant.	`
the text has been establis	shed by this Authority to read as follows:	
,		
5. With regard to the abstract,		
l <u></u>	ubmitted by the applicant.	
		uthority as it appears in Box III. The applicant may, ich report, submit comments to this Authority.
6. The figure of the drawings to be pub	lished with the abstract is Figure No.	<u> </u>
as suggested by the appl		None of the figures.
because the applicant fai	led to suggest a figure.	,
because this figure better	characterizes the invention.	



International Application No P 03/14537

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 COSK 19/04 C09K19/34

C09K19/38

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) C09K IPC 7

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMEN	S CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 116 769 A (FUJI PHOTO FILM CO LTD) 18 July 2001 (2001-07-18) cited in the application	1-7, 9-12,14, 17,18
Y	page 7, paragraph 17 page 10, paragraph 39 -page 13, line 28	16
A	claims; examples	8,13,15
Y	WO 92/16519 A (SECR DEFENCE BRIT) 1 October 1992 (1992-10-01) page 4, paragraph 2 -page 5, paragraph 3; claims	16
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X	Further documents are listed in the continuation of box C.	χ	Patent fam
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nily members are listed in annex.

- Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- document referring to an oral disclosure, use, exhibition or
- document published prior to the international filing date but later than the priority date claimed
- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled
- *&* document member of the same patent family

21/05/2004

Date of mailing of the international search report Date of the actual completion of the international search

4 May 2004

Authorized officer

Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016

Serbetsoglou, A

Form PCT/ISA/210 (second sheet) (January 2004)

特别人和特别的人。



International Application No EP 03/14537

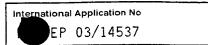
C./Continus	tion) DOCUMENTS CONSIDERED TO BE RELEVANT	
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X	YUICHIRO HARAMOTO ET AL: "NEW PYRIDINIUM TYPE IONIC LIQUID CRYSTAL COMPOUNDS WITH A 1,3- DIOXANE RING IN THE PRINCIPAL STRUCTURE" LIQUID CRYSTALS, TAYLOR AND FRANCIS LTD, LONDON, GB, vol. 21, no. 6, 1 December 1996 (1996-12-01), pages 923-925, XP000639781 ISSN: 0267-8292 the whole document	1-3,
X	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 06, 30 April 1998 (1998-04-30) -& JP 10 053585 A (NIPPON CHEM IND CO LTD; HARAMOTO YUICHIRO), 24 February 1998 (1998-02-24) abstract	1-3,14
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